

# MICROBIOLOGY SECTION – MILWAUKEE HEALTH DEPARTMENT

## MONTHLY REPORT

October 2006 Vol. 11, No. 10

Ajaib Singh, D.V.M., Ph. D.

**MICROBIOLOGY REPORT:** The October 2006 issue of Microbiology Monthly Report, Volume 11, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during September 2006 and new cases of syphilis in Milwaukee during August 2006. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during August is also included.

### Legionnaires Disease (September, 2006)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
76 yr	F	+	ND	ND

ND = Not done

### Pertussis (Whooping cough) September 2006

No positive case detected.

### Syphilis (September 2006)

Test	Number Positive	Test	Number Positive
RPR	2	TP-PA	7
VDRL	20	DARK FIELD	0

### New Cases - Syphilis

The Wisconsin Division of Health has reported 9 new cases (early stages) of syphilis during August 2006 in Milwaukee. The median age of early syphilis cases is 30.0 years (range: 20-62 years). Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

### New Cases of Syphilis (August 2006 and August 2005)

Stage	Number of Cases	
	August 2006	August 2005
Primary syphilis	3	0
Secondary syphilis	2	1
Early latent	4	3
Late latent	1	3
Total	10	7

### Gonorrhea (September 2006)

Number Tested	Decreased Susceptibility (DS) / Resistance (R) Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
25	0	0	0	0

# SUMMARY OF CONFIRMED INFECTIONS

## Virology & Molecular Diagnostic SECTION

City of Milwaukee Health Department Laboratory

(414) 286-3526

WEB SITE: [www.milwaukee.gov/healthlab](http://www.milwaukee.gov/healthlab) October 2006 ISSUE # 1210

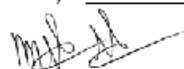
### September 2006 Data

Agent	# Isolates	Age	Sex	Specimen	Symptoms
Coxsackievirus B2	1	1 yr	M	NP Referred isolate	N/A*
Coxsackievirus B3	1	26 yr	F	CSF	N/A
Coxsackievirus B3	1	33 yr	M	Urine Referred isolate	N/A
Coxsackievirus B4	1	12 yr	M	BAL Referred isolate	N/A
Echovirus 18	1	4 wk	F	Stool Referred isolate	N/A
Parainfluenza type 4	1	2 mo	M	NP Referred isolate	N/A
Rhinovirus	2	18 mo	F	NP Referred isolate	N/A
Varicella-zoster Virus	1	19 yr	M	Mid-back vesicles	Shingles/ Dermatitis
Varicella-zoster Virus	1	21 yr	F	Forehead lesion	Skin lesion
Varicella-zoster Virus	1	18 yr	F	Abdominal wall lesion	Vesicular rash
Herpes simplex, Type 1	12				
Herpes simplex, Type 2	8				
Trichomonas species	1	47 yr	F	Labia	STD
N/A* - Not Available					

	Method	Tested	Positive	% Positive
<i>Chlamydia trachomatis</i>	ProbeTec	502	80	15.9%
<i>Neisseria gonorrhoeae</i>	ProbeTec/GenProbe	663	76	11.5%
Mumps Virus	EIA	45	0	0.0%
HSV typing	Real-time PCR	4	1	25.0%
Influenza A/B typing	Real-time RT-PCR	2	0	0.0%

**Please note the following new tests are now being offered by the City laboratory using Real-time PCR (SmartCycler) assays:**

- Norovirus (Geno-groups GI & GII: Single/Duplex RT-PCR assay)**  
Only for specimens of Public Health significance (Contact lab)
- Influenza (Subtypes A – H1, H3, H5) and B (Single, Duplex and/or Multiplex RT-PCR)**  
Recently, Flu B was detected & isolated from the patient with travel history to Bangladesh
- Mumps (Duplex RT-PCR assay)**
- Bordetella pertussis/parapertussis* (Single/Duplex assay)**
- Herpes Simplex Virus (HSV Type 1 & 2: Multiplex assay)**
- Enterovirus (RT-PCR assay)**
- The City Lab has changed confirmatory Syphilis testing from the FTA-ABS test to the TPPA test as of August 1, 2006.**
- UPDATE: As of November 1, 2006, the City Lab will no longer offer the complement fixation test.**
- Thanks to all laboratories for your invaluable participation in the local *E. coli* – spinach outbreak !!**



Steve Gradus, Ph.D., ABMM  
Laboratory Director